
VIDEO TUTORIAL

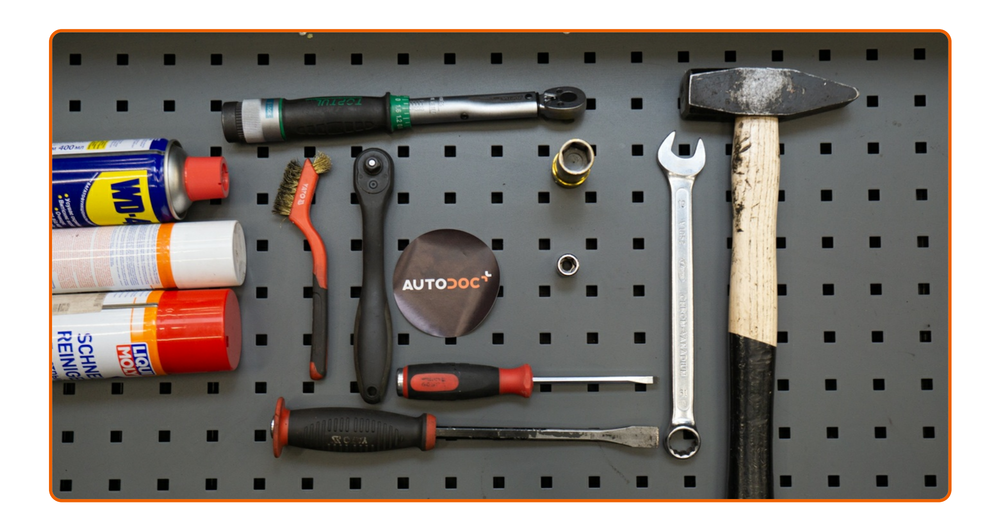
Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-CLASS (W168) A 140 (168.031, 168.131), MERCEDES-BENZ A-CLASS (W168) A 160 (168.033, 168.133)

The steps may slightly vary depending on the car design.



REPLACEMENT: FRONT LOWER ARM – MERCEDES W168. LIST OF THE TOOLS YOU'LL NEED:



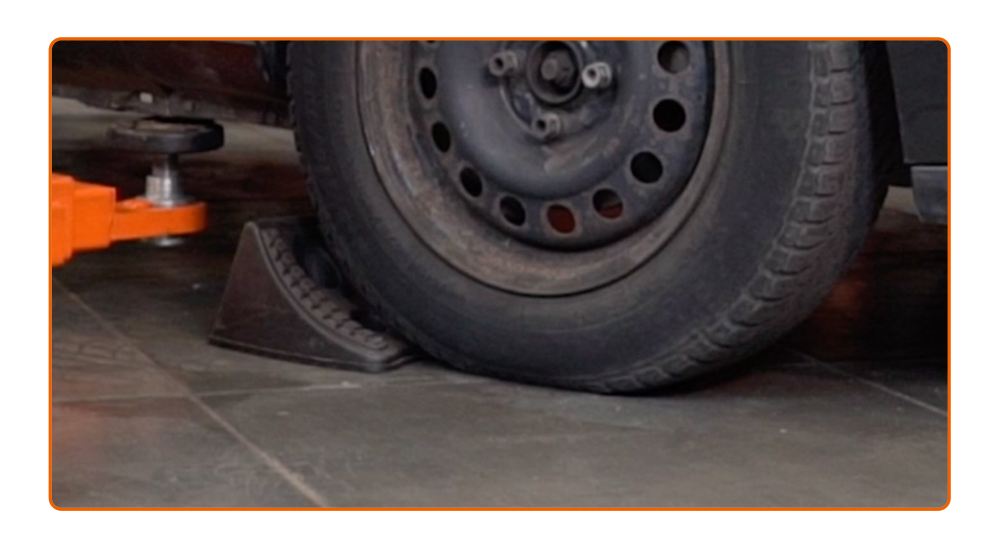
- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # E14
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Flat Screwdriver
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Replacement: front lower arm – Mercedes W168. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

PLEASE NOTE: ALL WORK ON THE CAR – MERCEDES W168 – SHOULD BE DONE WITH THE ENGINE SWITCHED OFF.

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Raise the front of the car and secure on supports.

4



Unscrew the wheel bolts.

Replacement: front lower arm – Mercedes W168. Tip:

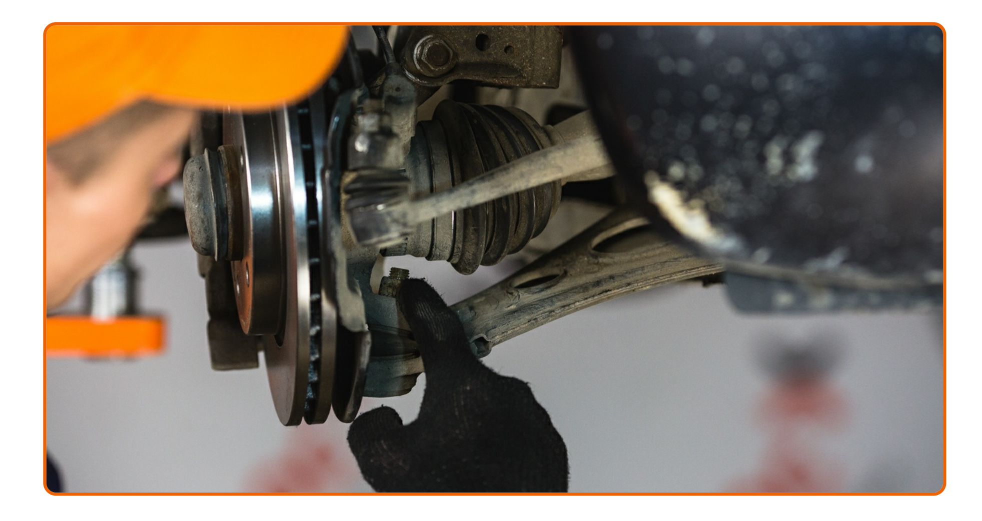
- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6



Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

7



Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #19.

8



Disconnect the ball joint from the steering knuckle. Use a crowbar. Use a hammer.

9

Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.

10



Unscrew the front arm fastener. Use a drive socket #E14. Use a ratchet wrench.

11



Remove the front fastener of the control arm.

12



Unscrew the rear fastener connecting the control arm to the subframe. Use a drive socket #E14. Use a ratchet wrench.

13



Remove the rear fastener of the control arm. Use a flat screwdriver.

14



Remove the arm. Use a crowbar.

15



Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

16



Install a new arm.

Replacement: front lower arm – Mercedes W168. AUTODOC recommends:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

17



Install the front fastener of the arm.

18



Install the rear fastener of the control arm. Use a hammer.

19



Screw the rear arm fastener. Use a drive socket #E14. Use a ratchet wrench.

20



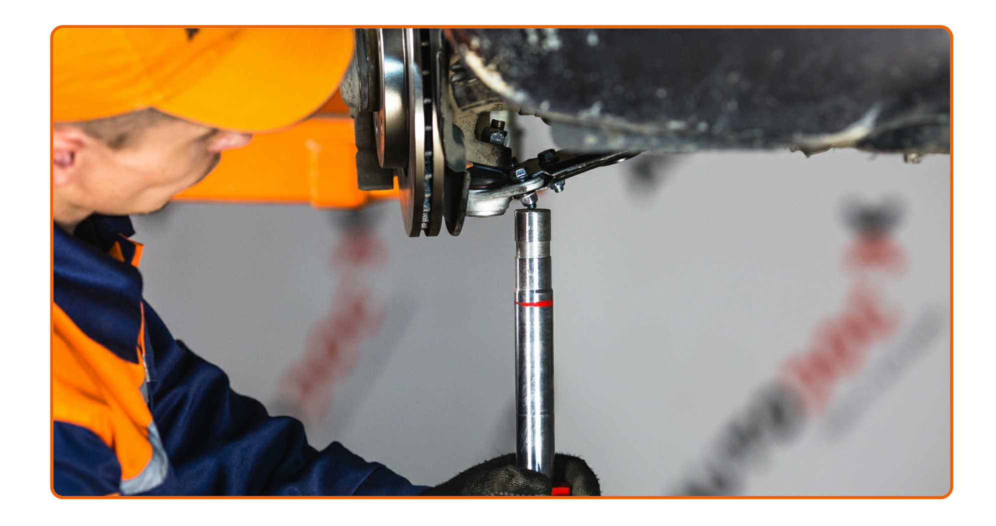
Connect the ball joint to the steering knuckle. Use a crowbar.

21



Tighten the ball joint fastener. Use a combination spanner #19. Use a torque wrench. Tighten it to 70 Nm torque.

22



Support the arm. Use a hydraulic transmission jack.

23



Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #E14. Use a torque wrench. Tighten it to 65 Nm torque.

24



Tighten the rear fastener of the control arm. Use a drive socket #E14. Use a torque wrench. Tighten it to 75 Nm torque.

25



Remove the support from under the arm.

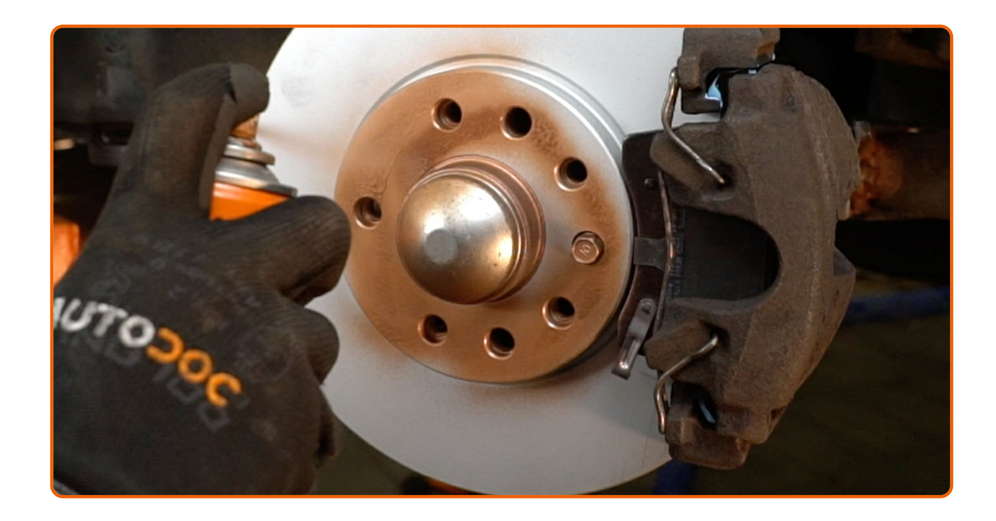
AUTODOC recommends:

- Replacement: front lower arm – Mercedes W168. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

26

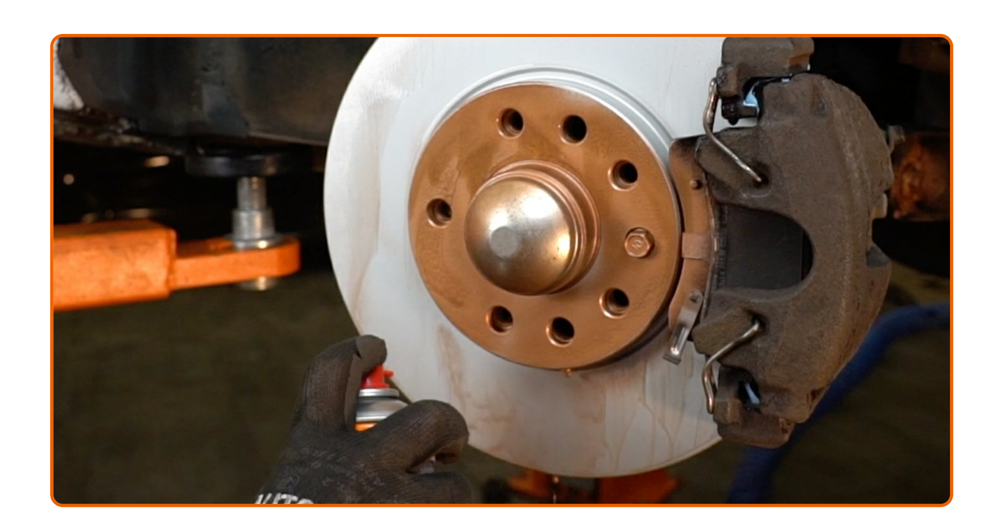
Treat all joints of the arm. Use copper grease.

27



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

28



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: front lower arm – Mercedes W168. After applying the spray, wait a few minutes.

29



Install the wheel.

Replacement: front lower arm – Mercedes W168. Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

30



Screw in the wheel bolts. Use wheel impact socket #17.

31



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

32



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO



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